

Product Information

TEGOPAC® RDS 1

Silane-modified reactive diluent

PRODUCT DESCRIPTION

TEGOPAC® RDS 1 is a silane-modified reactive diluent with very low viscosity.

The product is used for viscosity reduction of formulations & to avoid migration effects.

TEGOPAC® RDS 1 has a more hydrophobic character in comparison to TEGOPAC® RD 1 and TEGOPAC® RD 2.

Typical Properties

Property	Unit	Value
Appearance		colorless, clear liquid
Density at 25°C	g/cm ³	1.00
Viscosity at 23°C	Pa·s	0.3

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

TEGOPAC® RDS 1 is a silane-modified polymer which can be used to reduce viscosities of adhesives & sealant formulations.

It can also be used for formulations to avoid migration effects.

A replacement against migrating plasticizers is possible.



BENEFITS & ADVANTAGES

- TEGOPAC® RDS 1 reduces the viscosity of polymers & adhesive formulations
- Through the partial or total replacement of a plasticizer, TEGOPAC® XP RDS 1 can avoid any migration effects by becoming chemically anchored within the polymer network after curing
- TEGOPAC® RDS 1 helps to improve curethrough properties: by the lateral crosslinking groups of the polymer the curethrough properties are influenced positively
- TEGOPAC® RDS 1 can be combined with different silane-modified polymers or epoxy polymers
- TEGOPAC® RDS 1 can be used for the production of methanol-free formulations



HANDLING & PROCESSING

TEGOPAC® RDS 1 needs to be combined with a co-polymer to reach good mechanical properties.

PACKAGING

950 kg IBC

STORAGE

Containers should be stored at ambient temperature (5-25°C) in a dry place.

SHELF LIFE

6 months in closed original containers.

The shelf life period can be subject to prolongations based on reapprovals in accordance with the established Evonik ISO 9001 quality management process.

HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Interface & Polyurethane Additives
Goldschmidtstraße 100
45127 Essen
Germany